

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

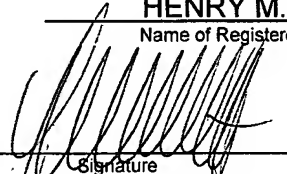
Docket No.: BALLING

In re Application of:	)	
GEROLD BALLING	)	
Appl. No.: 10/774,056	)	Examiner: Shechtman, Sean P
Filed: February 6, 2004	)	Group Art Unit: 2125
For: DEVICE FOR AUTOMATING AND/OR	)	
CONTROLLING OF MACHINE TOOLS	)	
OR PRODUCTION MACHINES	)	

**SECOND INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIR:

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450", on <u>April 4, 2005</u> .	
(Date)	
<u>HENRY M. FEIEREISEN</u>	
Name of Registered Representative	
	<u>4-4-2005</u>
Signature	Date of Signature

In accordance with 37 C.F.R. 1.56, applicant wishes to call the attention of the Examiner to the following references A) to E). Applicant does not admit that any of the cited documents constitutes prior art against the pending application.

04/07/2005 RFEKADU1 00000024 10774056

01 FC:1806

180.00 DP

	Country:	Patent or Appl. No:	Patentee or Applicant:	Issue or Filing Date:
A)	Germany	DE 199 10 426 A1	Renner P.	10-05-2000
B)	Germany	198 50 502 A1	Crown Simplimatic	05-11-2000
C)	Germany	100 21 838 A1	Focke & Co.	11-08-2001
D)	Europe	EP 0 903 654 A2	Focke & Co.	03-24-1999
E)	IEE "Visualisierung oder was?" In: iee 46, 2001, no. 11			

Copies of these references are submitted herewith along with form PTO-1449. The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

☐ This Information Disclosure Statement is filed within three months of the filing date of a national application other than a continued prosecution application under 1.53(d), so that no fee under 37 C.F.R. §1.97 is due.

☐ This Information Disclosure Statement is filed within three months of the date of entry of the national stage as set forth in 1.491 in an international application, so that no fee under 37 C.F.R. §1.97 is due.

☐ This Information Disclosure Statement is filed before the mailing of a first Office Action on the merits, so that no fee under 37 C.F.R. §1.97 is due.

☐ This Information Disclosure Statement is filed before the mailing of a first Office Action after the filing of a request for continued examination under §1.114, so that no fee under 37 C.F.R. §1.97 is due.

☒ This Information Disclosure Statement is filed after the issuance of a first office but before issuance of a final action under §1.113, or a notice of allowance under §1.311.

☐ This Information Disclosure Statement is submitted after the mailing of a final action or a notice of allowance, but before payment of the issue fee.

☐ The undersigned submits the following statement requesting consideration of this statement:

The undersigned hereby states:

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the information disclosure statement.

☒ The fee of \$180.00 set forth in 1.17(p).

☐ The Commissioner is hereby authorized to charge the fee as set forth in 1.17(p), and any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 06-0502.

In addition, applicant notes with respect to any information that is not in English language as follows:

Reference A) relates to relocation of functions at a processing level in decentralized devices at a field level. All devices are networked with the same physical data interfaces for processing with analog and digital in- and outputs. Decentralized processing/field devices and management level computers can actively forward data to each of the other parties who have the same standard general function data transfer protocols.

Reference B) describes an electric drive motor (11,12,13) which is provided for each movement axis, each motor being mechanically coupled to a sensor (21,22,23) which detects the position of the machine along the axis of movement. For each movement axis, only one start command is set for the drive motor, a movement speed and a target position. Movements on any axes can be combined by triggering the start command for a further axis when a certain position is reached on one axis. An apparatus for performing the method is also claimed.

Reference C) describes an apparatus for producing products and a method of controlling such an apparatus, having a programmable logic controller-PLC-an axis control system, for controlling axes, and a visualization system for displaying processes and/or process parameters. In known apparatus of this type, the PLC, the axis control system and the visualization system are implemented in physically self-contained appliances. Linking these components requires a great deal of effort both during construction and during operation of the apparatus. The data interchange between the components requires an "overhead" in order to ensure

the communication between the components. This is disadvantageous. The invention therefore seeks to improve such manufacturing apparatus and control methods in that the PLC, the axis control system and the visualization system run on a common physical appliance.

Reference D) describes a control system which is a microprocessor (13), configured as an industrial personnel computer (23), coupled via a data communication network (12) with a robot (11) and a number of pallet plant components (17, 19, 20), provides all the robot's sequence control, memory program control and operating desk functions.

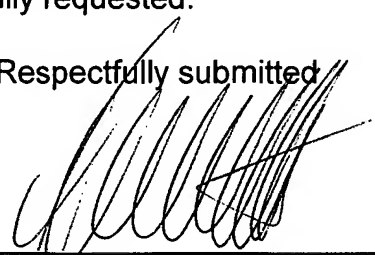
Reference E) relates to thin-client applications for evaluation on the basis of iHistorian or to thin-clients with iFIX applications in conjunction with a Windows 2000 Terminal server.

The above-identified application discloses and claims an invention patentable over this prior art.

Entry of the references above set forth into the file of the above application is believed to be in order and is respectfully requested.

Respectfully submitted

By:

  
Henry M. Feiereisen  
Agent for Applicant  
Reg. No. 31,084

Date: April 4, 2005  
350 Fifth Avenue, Suite 4714  
New York, N.Y. 10118  
(212) 244-5500  
HMF/WS:af

Form PTO 1449

U.S. Department of Commerce  
Patent and Trademark Office

## INFORMATION DISCLOSURE CITATION

Attorney's Docket No.

Applicant

Appl. No.

BALLING

GEROLD BALLING

10/774,056

Filing Date

Group

Examiner

February 6, 2004

2125

Shechtman, Sean P

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date, if appropriate

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation
	DE 199 10 426 A1	10-05-2000	Germany			no
	DE 198 50 502 A1	05-11-2000	Germany			no
	DE 100 21 838 A1	11-08-2001	Germany			no
	EP 0 903 654 A2	03-24-1999	Europe			no

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	IEE "Visualisierung oder was?" In: iee 46, year 2001, no 11, pages 30-32

Examiner:

Date considered:

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.